

11.7 Mixed Expressions and Complex Fractions

A Mixed Expression is

$$3 + \frac{7}{x-2}$$

$$2 + \frac{5}{x}$$

$$\frac{6y}{4y+8} + 5y$$

Complex Fractions involving monomials

$$\frac{\frac{g^3 h}{b}}{\frac{gh^3}{b^2}}$$

$$\frac{\frac{-24m^3 x^5}{p^2 h}}{\frac{16pm^2}{x^4 h}}$$

Complex Fractions involving polynomials

A complex fraction is:

$$\frac{\frac{2}{y+3}}{\frac{5}{y^2-9}}$$

$$\frac{\frac{6}{x-2}}{\frac{3}{x^2-x-2}}$$

$$\frac{\frac{r + s}{x^2 - y^2}}{(r + s)^2} = x - y$$